CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/974,974

CRF Processing Date: 3/28/2002
Edited by: _____
Verified by: _____ (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically:

  _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

  _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

  _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

  _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included:

  _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically:

  _____
- ☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically:

  _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically:

  _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted ***ending*** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other:

  _____

  _____

  _____

  _____

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

OIPE

RAW SEQUENCE LISTING DATE: 03/28/2002
PATENT APPLICATION: US/09/974,974 TIME: 17:49:45

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\03282002\I974974.raw

```
      4 <110> APPLICANT: Kazunari TAIRA
      5       Masashi WARASHINA
      6       Tomoko WARASHINA
      8 <120> TITLE OF INVENTION: Nucleic acid enzymes acquiring an activity for cleaving a
      9       target RNA by recognizing another molecule
W--> 11 <130> FILE REFERENCE:
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/974,974
C--> 14 <141> CURRENT FILING DATE: 2002-03-14
     16 <150> PRIOR APPLICATION NUMBER: JP 2000-313320
     17 <151> PRIOR FILING DATE: 2000-10-13
     19 <160> NUMBER OF SEQ ID NOS: 17
     21 <170> SOFTWARE: PatentIn Ver. 2.0
     23 <210> SEQ ID NO: 1
     24 <211> LENGTH: 32
     25 <212> TYPE: RNA
     26 <213> ORGANISM: Artificial Sequence
     28 <220> FEATURE:
     29 <223> OTHER INFORMATION: Description of Artificial Sequence: maxizyme-constituting RNA
molecule
     31 <400> SEQUENCE: 1
     32 gguccuggcc ugaugagagu gaugagcucu uc                                  32
     34 <210> SEQ ID NO: 2
     35 <211> LENGTH: 27
     36 <212> TYPE: RNA
     37 <213> ORGANISM: Artificial Sequence
     39 <220> FEATURE:
     40 <223> OTHER INFORMATION: Description of Artificial Sequence: maxizyme-constituting RNA
molecule
     42 <400> SEQUENCE: 2
     43 gucugacugu ucaucgaaac cgggucc                                       27
     45 <210> SEQ ID NO: 3
     46 <211> LENGTH: 33
     47 <212> TYPE: RNA
     48 <213> ORGANISM: Artificial Sequence
     50 <220> FEATURE:
     51 <223> OTHER INFORMATION: Description of Artificial Sequence: maxizyme-constituting RNA
molecule
     53 <400> SEQUENCE: 3
     54 gguccuggcc ugaugagagu uauugauggu cag                                 33
     56 <210> SEQ ID NO: 4
     57 <211> LENGTH: 29
     58 <212> TYPE: RNA
     59 <213> ORGANISM: Artificial Sequence
     61 <220> FEATURE:
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62 <223> OTHER INFORMATION: Description of Artificial Sequence: maxizyme-constituting RNA molecule

64 <400> SEQUENCE: 4

RAW SEQUENCE LISTING DATE: 03/28/2002
PATENT APPLICATION: US/09/974,974 TIME: 17:49:45

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\03282002\I974974.raw

65 gaagggcuuc uuucaucgaa accgggucc 29
67 <210> SEQ ID NO: 5
68 <211> LENGTH: 88
69 <212> TYPE: RNA
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Description of Artificial Sequence: tRNAVal promoter sequence
75 <400> SEQUENCE: 5
76 accguugguu uccguagugu agugguuauc acguucgccu aacacgcgaa aggucccggg 60
77 uucgaaaccg ggcacuacaa aaaccaac 88
79 <210> SEQ ID NO: 6
80 <211> LENGTH: 33
81 <212> TYPE: RNA
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Description of Artificial Sequence: ribozyme
87 <220> FEATURE:
88 <223> OTHER INFORMATION: n is a, c, g or u.
90 <400> SEQUENCE: 6
W--> 91 nnnnncugau gaggccgaaa ggccgaaann nnn 33
93 <210> SEQ ID NO: 7
94 <211> LENGTH: 24
95 <212> TYPE: RNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Description of Artificial Sequence: left side sequence
100 of maxizyme
102 <400> SEQUENCE: 7
103 cgaugaccug augagcgaaa cggc 24
105 <210> SEQ ID NO: 8
106 <211> LENGTH: 24
107 <212> TYPE: RNA
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Description of Artificial Sequence: right side sequence
112 of maxizyme
114 <400> SEQUENCE: 8
115 cggggcugau gagcgaaacg uucc 24
117 <210> SEQ ID NO: 9
118 <211> LENGTH: 13
119 <212> TYPE: RNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Description of Artificial Sequence: substrate
125 <400> SEQUENCE: 9
126 gccgucguca ucg 13
128 <210> SEQ ID NO: 10
129 <211> LENGTH: 11
130 <212> TYPE: RNA

RAW SEQUENCE LISTING DATE: 03/28/2002
PATENT APPLICATION: US/09/974,974 TIME: 17:49:45

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\03282002\I974974.raw

<213> ORGANISM: Artificial Sequence
<220> FEATURE:
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<212> TYPE: RNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: substrate
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<210> SEQ ID NO: 12
<211> LENGTH: 40
<212> TYPE: RNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: wild type ribozyme
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<210> SEQ ID NO: 13
<211> LENGTH: 19
<212> TYPE: RNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: part of bcl-2 mRNA as a substrate
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<212> TYPE: RNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: part of HIV tat mRNA
<400> SEQUENCE: 14
gaagagcuca ucagaacagu cagac 25
<210> SEQ ID NO: 15
<211> LENGTH: 28
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<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: part of BCR-ABL mRNA
<400> SEQUENCE: 15
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<210> SEQ ID NO: 16
<211> LENGTH: 20
<212> TYPE: RNA

RAW SEQUENCE LISTING DATE: 03/28/2002
PATENT APPLICATION: US/09/974,974 TIME: 17:49:45

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\03282002\I974974.raw

198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Description of Artificial Sequence: part of normal ABL mRNA
203 <400> SEQUENCE: 16
204 uuaucuggaa gaagcccuuc 20
206 <210> SEQ ID NO: 17
207 <211> LENGTH: 138
208 <212> TYPE: RNA
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Description of Artificial Sequence: tRNAVal T-MzL
214 <400> SEQUENCE: 17
215 accguugguu uccguagugu agugguuauc acguucgccu aacacgcgaa aggucccgg 60
216 uucgaaaccg ggcacuacaa aaaccaacuu ugucugacug uucaucgaaa ccggguccgg 120
217 uaccccggau aucuuuuu 138

VERIFICATION SUMMARY DATE: 03/28/2002
PATENT APPLICATION: US/09/974,974 TIME: 17:49:46

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\03282002\I974974.raw

L:11 M:201 W: Mandatory field data missing, FILE REFERENCE
L:13 M:270 C: Current Application Number differs, Replaced Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:91 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:6
L:91 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:6
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/974,974

DATE: 03/25/2002
TIME: 15:07:38

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\03252002\I974974.raw

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      4 <110> APPLICANT: Kazunari TAIRA
      5       Masashi WARASHINA
      6       Tomoko WARASHINA
      8 <120> TITLE OF INVENTION: Nucleic acid enzymes acquiring an activity for cleaving a
      9       target RNA by recognizing another molecule
W--> 11 <130> FILE REFERENCE:
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/974,974
C--> 14 <141> CURRENT FILING DATE: 2002-03-14
     16 <150> PRIOR APPLICATION NUMBER: JP 2000-313320
     17 <151> PRIOR FILING DATE: 2000-10-13
     19 <160> NUMBER OF SEQ ID NOS: 17
     21 <170> SOFTWARE: PatentIn Ver. 2.0


ERRORED SEQUENCES

    206 <210> SEQ ID NO: 17
    207 <211> LENGTH: 138
    208 <212> TYPE: RNA
    209 <213> ORGANISM: Artificial Sequence
    211 <220> FEATURE:
    212 <223> OTHER INFORMATION: Description of Artificial Sequence: tRNAVal T-MzL
    214 <400> SEQUENCE: 17
    215 accguugguu uccguagugu agugguuauc acguucgccu aacacgcgaa aggucccccgg  60
    216 uucgaaaccg ggcacuacaa aaaccaacuu ugucugacug uucaucgaaa ccggguccgg  120
    217 uaccccggau aucuuuuu                                               138
E--> 220   3/8
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VERIFICATION SUMMARY DATE: 03/25/2002
PATENT APPLICATION: **US/09/974,974** TIME: 15:07:39

Input Set : **A:\PTO.VSK.txt**
Output Set: **N:\CRF3\03252002\I974974.raw**

L:11 M:201 W: Mandatory field data missing, FILE REFERENCE
L:13 M:270 C: Current Application Number differs, Replaced Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:91 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:6
L:91 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:6
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:220 M:254 E: No. of Bases conflict, LENGTH:Input:8 Counted:139 SEQ:17
L:220 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:2
L:220 M:252 E: No. of Seq. differs, <211>LENGTH:Input:138 Found:139 SEQ:17